

FIG. 5

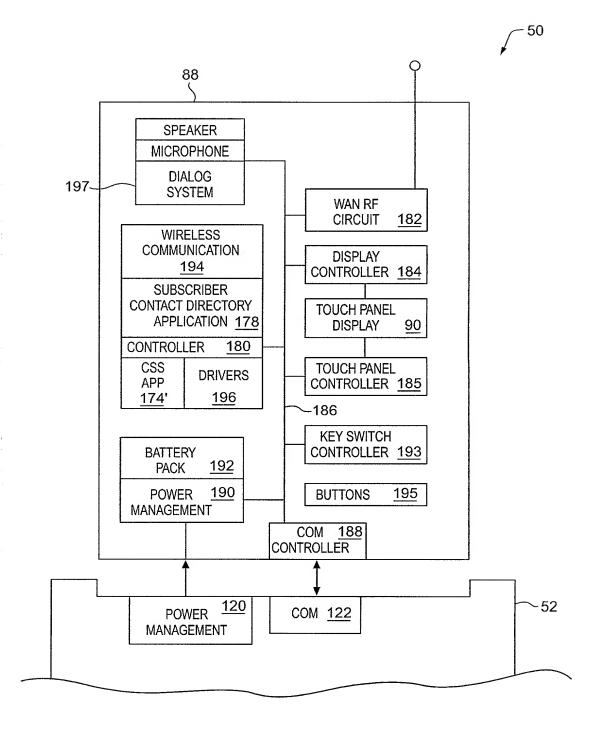


FIG. 6

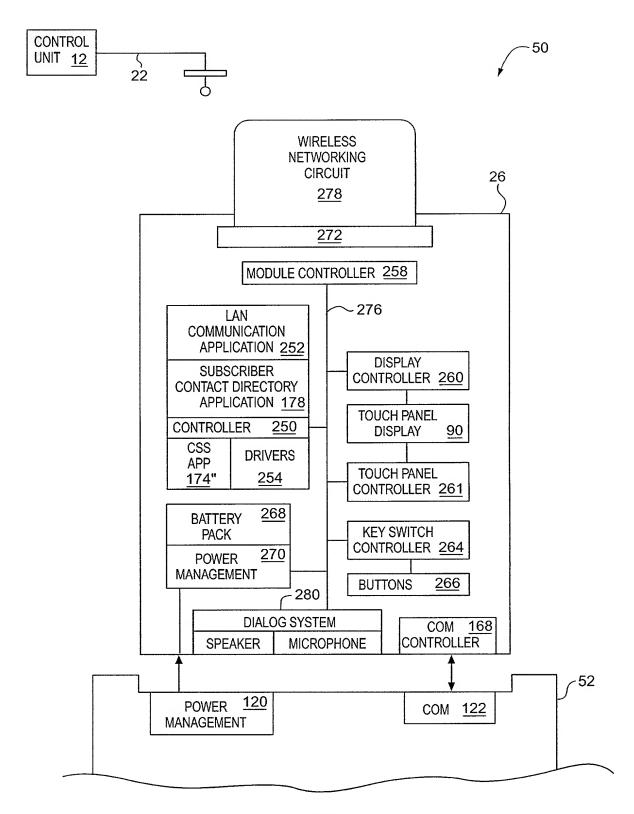


FIG. 7

	START UP STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
300	OPEN SESSION REQUEST ON PREDETERMINED PORT	ESTABLISH NEW LOCAL COMMUNICATION DEVICE STATE MACHINE ESTABLISH SESSION SEND LOGON CONTROL SCRIPTS GET CSS INTERFACE CONFIGURATION PROVIDE MAIN MENU DISPLAY CONTENT PROVIDE MAIN MENU LAYOUT CONTROL GO TO MAIN MENU STATE

FIG. 8A

	304	
	MAIN MENU STATE	-WAITING FOR EVENTS
	EVENTS	STEPS
302~	MENU SELECTION	• GO TO SELECTED STATE
308~	INITIALIZE WAN SUBSCRIBER DEVICE	SEND ID EXTRACTION CONTROL SCRIPTS GET SUBSCRIBER DEVICE ID UPDATE NETWORK LOCATION TABLE SYNCHRONIZE SUBSCRIBER CONTACT DIRECTORY PROVIDE INITIAL DISPLAY CONTENT (MAIN MENU) PROVIDE DISPLAY LAYOUT CONTROL ESTABLISH SESSION WITH WAN CONTROLLER PROVIDE CALL FORWARD SIGNALS TO WAN CONTROLLER GO TO SUBSCRIBER DEVICE MAIN MENU STATE
310 ~	HELP REQUEST	SET UP AUDIO SESSION CHANNEL TO AUDIO HELP CSS GO TO AUDIO HELP STATE

FIG. 8B

	316	
	SUBSCRIBER DEVICE MAIN ME	NU STATE - WAITING FOR EVENTS
	EVENTS	STEPS
312~	MENU SELECTION	• GO TO SELECTED STATE
320 ~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT PROVIDE HELP MENU DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
322~	MESSAGE REQUEST	GET MESSAGES FROM REMOTE SYSTEM SORT MESSAGES BY TYPE PROVIDE MESSAGE LIST CONTENT
324 ~	AUDIO MESSAGE REQUEST	PROVIDE MESSAGE LIST LAYOUT CONTROL GO TO MESSAGE LIST STATE
314~	DIRECTORY REQUEST	PROVIDE DIRECTORY CONTENT AND LAYOUT CONTROL TRANSITION TO SUBSCRIBER DIRECTORY STATE
326~	SUBSCRIBER DEVICE REMOVE	ESTABLISH SESSION WITH WAN CONTROLLER PROVIDE TERMINATE CALL FORWARD SIGNAL TO WAN CONTROLLER GO TO MAIN MENU STATE

FIG. 8C

	328	
	MESSAGE LIST STAT	E - WAITING FOR EVENTS
	EVENTS	STEPS
334 ~	AUDIO MESSAGE SELECT	SEND AUDIO FILE TO CSS PROVIDE PROCESSING SCRIPT TO OUTPUT FILE GO TO AUDIO SESSION STATE
336~	MESSAGE SELECT	PROVIDE MESSAGE DISPLAY CONTENT PROVIDE MESSAGE DISPLAY LAYOUT CONTROL GO TO MESSAGE DISPLAY STATE
338 ~	MESSAGE PRINT	FORMAT MESSAGE CONTENT FOR PRINTER SEND MESSAGE FILE TO PRINTER GO TO MESSAGE LIST STATE
340~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
342~	SUBSCRIBER DEVICE REMOVE	ESTABLISH SESSION WITH WAN CONTROLLER PROVIDE TERMINATE CALL FORWARD SIGNAL TO WAN CONTROLLER GO TO MAIN MENU STATE

FIG. 8D

	370	
г		
	SUBSCRIBER DIRECTORY STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
372~	RECEIVE CONTACT SELECTION	PROVIDE CONTROL SCRIPT TO SETUP AUDIO SESSION WITH CONTACT PROVIDE AUDIO SESSION DISPLAY CONTENT AND LAYOUT CONTROL TRANSITION TO AUDIO SESSION STATE
374~	HELP REQUEST	PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL GO TO GRAPHIC HELP STATE
378~	SUBSCRIBER DEVICE REMOVE	ESTABLISH SESSION WITH WAN CONTROLLER PROVIDE TERMINATE CALL FORWARD SIGNAL TO WAN CONTROLLER GO TO MAIN MENU STATE

FIG. 8E

	344	
	BASE STATE - WAITI	NG FOR EVENTS
	EVENTS	STEPS
354 ~	TOUCH PANEL	REPORT TOUCH PANEL EVENT TO CONTROLLER
		• RETURN TO BASE STATE
356~	SUBSCRIBER INTERFACE CONTROL BUTTON	REPORT BUTTON ACTIVATION TO CONTROLLER AND PVA RETURN TO BASE STATE
358 ~	RECEIVE DISPLAY CONTENT AND LAYOUT CONTROL MESSAGES	UPDATE DISPLAY RETURN TO BASE STATE
360~	RECEIVE PROCESSING SCRIPT	PROCESS SCRIPT RETURN TO BASE STATE
362~	WAN TELEPHONE SIGNAL	• GO TO WAN STATE
364 ~	DETECTED SUBSCRIBER DEVICE	SEND INITIALIZE SUBSCRIBER MESSAGE RETURN TO BASE STATE
350 ~	RECEIVE MESSAGES FROM CONTROLLER DIRECTED TO SUBSCRIBER DEVICE	RELAY MESSAGES TO SUBSCRIBER DEVICE
352~	RECEIVE MESSAGES FROM SUBSCRIBER DEVICE DIRECTED TO CONTROLLERS	RELAY MESSAGES TO CONTROLLER

346~	START UP - WAITING FOR EVENTS		
	EVENTS		STEPS
366~	NETWORK CONNECTION		SESSION REQUEST TO CONTROL UNIT
368~	RECEIVE LOGIN SCRIPT		PROCESS LOGON SCRIPT PROVIDE INTERFACE CONFIGURATION GO TO BASE STATE

FIG. 9

_	380	
	STANDBY STATE - V	VAITING FOR EVENTS
	EVENTS	STEPS
388 ~	AUDIO SESSION SIGNAL FROM PACKET VOICE GATEWAY	TRANSITION TO CALL SIGNALING STATE REPORT STATE TRANSITION TO CSS APPLICATION
390 ~	SUBSCRIBER INTERFACE CONTROL (OFF HOOK)	TRANSITION TO OFF HOOK STATE REPORT STATE TRANSITION TO CSS APPLICATION
392 ~	SESSION SETUP EVENT FROM CSS APPLICATION	SEND CALL SIGNALING MESSAGE TO GATEWAY TRANSITION TO CALL SIGNALING STATE REPORT TRANSITION TO CSS

	382	
	CALL SIGNALING STAT	E - WAITING FOR EVENTS
	EVENTS	STEPS
394 ~	ON HOOK EVENT	RETURN TO STANDBY STATE REPORT STATE TRANSITION TO CSS APPLICATION
396~	TERMINATION OF SIGNALING	RETURN TO STANDBY STATE REPORT STATE TRANSITION TO CSS APPLICATION
398 ~	READY FOR AUDIO SESSION	TRANSITION TO AUDIO SESSION STATE REPORT STATE TRANSITION TO CSS APPLICATION

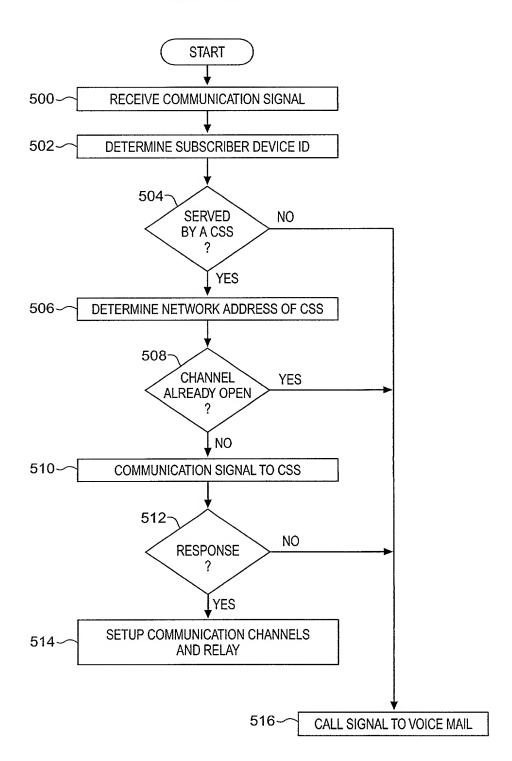
FIG. 10A

_	384	
	OFF HOOK STATE -	WAITING FOR EVENTS
	EVENTS	STEPS
400 ~	SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION) FROM CSS APPLICATION	GENERATE DTMF TONE
402~	VALIDATION OF NUMBER SEQUENCE	SEND CALL SIGNALING MESSAGES TO GATEWAY TRANSITION TO CALL SIGNALING STATE REPORT TRANSITION TO CSS APPLICATION
404~	SUBSCRIBER INTERFACE CONTROL (ON HOOK)	• RETURN TO STANDBY STATE

	386	
	AUDIO SESSION STATE - WAITING FOR EVENTS	
	EVENTS	STEPS
406~	TERMINATION OF AUDIO SESSION	• RETURN TO OFF HOOK STATE
408~	SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION)	GENERATE DTMF TONE
410~	SUBSCRIBER INTERFACE CONTROL (ON HOOK) FROM CSS APPLICATION	• RETURN TO STANDBY STATE

FIG. 10B

FIG. 11



,	/
က်	
23	

	OCATION TABLE	ZESS.								
	CURRENT NETWORK LOCATION TABLE	CURRENT NETWORK ADDRESS	192.168.ahc xvz	192 168 def 11VW	Open	•	•	•		
H		SUBSCRIBER DEVICE ID	001	002	003	•	•	•		
SUBSCRIBER IDENTIFIER 237		SUBSCRIBER NAME	BOB	CHRIS	MARVIN	•		•		
		SUBSCRIBER ID	1234	1235	1236	•	•	•		
							235			

FIG. 12

		CALL FORWARD FILE 245	45	
SUBSCRIBER DEVICE ID CODE 518	DESIGNATED NUMBER 520	WAN CONTROLLER 522	CALL FORWARD COMMAND 524	DEACTIVATE COMMAND 526
001	330-555-1234	123.456.789.000	CHARACTER STRING	CHARACTER STRING
002	330-555-1235	941-555-0000	*71*3305551235	*70*3305551235
003	330-555-1236	330-555.1236	*65*3305551236	#09*
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

FIG. 13